

## Active Recombinant Human Chemokine (C-C Motif) Ligand 14, HlgG1 Fc-tagged

**Cat. No.** CCL14-335H    **Lot. No.** (See product label)

### SPECIFICATION

|                         |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |
|-------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Product Overview</b> | The extracellular domain of human CCL14 (AAH38289.1)(Thr20-Asn93) is fused to the N-terminus of the Fc region of human IgG1 was expressed in CHO cell.                                                                                                                                                                                                                                                                                                                                                                                                                          |
| <b>Species</b>          | Human                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |
| <b>Source</b>           | CHO                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |
| <b>ProteinLength</b>    | 20-93 a.a.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |
| <b>Description</b>      | This gene, chemokine (C-C motif) ligand 14, is one of several CC cytokine genes clustered on 17q11.2. The CC cytokines are secreted proteins characterized by two adjacent cysteines. The cytokine encoded by this gene induces changes in intracellular calcium concentration and enzyme release in monocytes. Multiple transcript variants encoding different isoforms have been found for this gene. Read-through transcripts are also expressed that include exons from the upstream cytokine gene, chemokine (C-C motif) ligand 15, and are represented as GenelD: 348249. |
| <b>Form</b>             | Lyophilized from 0.2µm-filtered solution in PBS.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |
| <b>Bio-activity</b>     | Activate on human monocytes and acts via receptors that also recognize MIP-1 alpha.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |
| <b>Molecular Mass</b>   | 35KDa (monomer)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |

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|                       |                                                                                                                                     |
|-----------------------|-------------------------------------------------------------------------------------------------------------------------------------|
| <b>AA Sequence</b>    | Thr20-Asn93                                                                                                                         |
| <b>Endotoxin</b>      | <0.06 eu/μg="" as="" determined="" by="" lal="">                                                                                    |
| <b>Purity</b>         | >98%, by SDS-PAGE under reducing conditions.                                                                                        |
| <b>Stability</b>      | Stable for at least 1 year after receipt when stored at -20°C. Working aliquots are stable for up to 3 months when stored at -20°C. |
| <b>Reconstitution</b> | Reconstitute at 100μg/ml in sterile PBS.                                                                                            |
| <b>Warning</b>        | Avoid freeze/thaw cycles.                                                                                                           |

## GENE INFORMATION

|                        |                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
|------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Gene Name</b>       | <a href="#">CCL14 chemokine (C-C motif) ligand 14 [ Homo sapiens ]</a>                                                                                                                                                                                                                                                                                                                                                                                   |
| <b>Official Symbol</b> | CCL14                                                                                                                                                                                                                                                                                                                                                                                                                                                    |
| <b>Synonyms</b>        | CCL14; chemokine (C-C motif) ligand 14; SCYA14, small inducible cytokine subfamily A (Cys Cys), member 14; C-C motif chemokine 14; CKb1; HCC 1; HCC 3; MCIF; NCC 2; SCYL2; chemokine CC-3; new CC chemokine 2; chemokine CC-1/CC-3; hemofiltrate CC chemokine 1; small-inducible cytokine A14; small inducible cytokine subfamily A (Cys-Cys), member 14; CC-1; CC-3; CKB1; NCC2; SY14; HCC-1; HCC-3; NCC-2; SCYA14; HCC-1(1-74); HCC-1/HCC-3; FLJ16015; |
| <b>Gene ID</b>         | <a href="#">6358</a>                                                                                                                                                                                                                                                                                                                                                                                                                                     |
| <b>mRNA Refseq</b>     | <a href="#">NM_032962</a>                                                                                                                                                                                                                                                                                                                                                                                                                                |
| <b>Protein Refseq</b>  | <a href="#">NP_116738</a>                                                                                                                                                                                                                                                                                                                                                                                                                                |

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|----------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>MIM</b>                 | 601392                                                                                                                                                                                                                                        |
| <b>UniProt ID</b>          | Q16627                                                                                                                                                                                                                                        |
| <b>Chromosome Location</b> | 17q11.2                                                                                                                                                                                                                                       |
| <b>Pathway</b>             | Chemokine signaling pathway, organism-specific biosystem; Chemokine signaling pathway, conserved biosystem; Cytokine-cytokine receptor interaction, organism-specific biosystem; Cytokine-cytokine receptor interaction, conserved biosystem; |
| <b>Function</b>            | chemokine activity;                                                                                                                                                                                                                           |

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